

TT 6000 X / 027



## SERVOTEC UNIVERSAL TESTING MACHINE 1000N (DIGIMATIC, SINGLE COLUMN, DESK TOP VERSION)

Standard: BS EN 10002-1, ISO 7500-1, ASTM A370

### Tensile & Compression

TT Servotec Fully Automatic Universal Testing Machine out tester adopts DC speed regulating servomotor & reduction gears as the power source. Its real time displays test data & test status with LCD module. Professional designed servo control system realizes the PWM pulse width modulation control mode. It really comes up to with test speed closed loop control mode. It is controlled by single chip automatically control.

### Main Use & Range

Used for measurement & test of mechanical property & analytical study of metal, non-metal & composite material, such as aviation, petrochemical, machinery manufacture, wire, cable, textile, fibre, plastic, rubber, ceramic, food, medicine packaging, aluminium plastic tube, plastic door & window, geo-textile, film, wood, paper, metal material & manufacture industry & etc.

It can record the max. test force, fracture value, yield value, max. compression value automatically. It can also calculate the fracture extension & all kind of strength value manually. It is an essential equipment for manufacture, construction unit, product quality supervision & inspection bureau & building material test department. It also could be used in the university for teaching purpose.

### Main Technical Parameter :

<b>Model Number</b>	<b>TT 6000 X / 027</b>
Max Test Force	1000N
Structure Type	Single Rigid Column with Single High Precision Ball Screw (Desk Top Version)
Trailing Space	500 mm
Force Range	1-1000N
Test Force Accuracy	±0.5%
Test Speed Range	0.01 - 500 mm/min
Load Resolution	1/250,000
Force Accuracy	≤0.5%
Displacement Resolution	1µm
Displacement Accuracy	≤0.5%
Measuring Range	0.5% - 100% Full Scale
Load Unit	cN, N, KN, g, kg, gf, kgf, lb, lbf, oz, ozf.
Curve Display	<b>Selectable Axial Parameters:</b> <b>Y-axis</b> - time, load, displacement, deformation, stress, strain. <b>X-axis</b> - time, load, displacement, deformation, stress, strain.
Data Display	Max. Force, Speed, Specimen Detail, Strength (Kpa, Mpa, N/mm, Nmm )
Main Drive Unit	Precision Servo Drive & Servo Motor
Safety Feature	Emergency Stop, Overload Protection, Upper & Lower Limit Switch Load Sensor with Auto Retreat
Power Source	220 - 240 V, 1 Ph, 50/60 Hz, 600 W
Dimension (LxWxH)	290 x 440 x 820 mm
Approx Weight	25 kg

### Unit Consists Of :

Model Number	Parts Description	Qty
TT LC-1000NS	1000N High Precision Load Cell (S Type)	1 Unit.
TT 6ST-G10	Wide Butt Clamp	1 Set.

\*1 Copy of Manual Instruction

### Optional Accessories :

Model Number	Parts Description	Qty
TT CDT1	Console Desk T1	1 Set.